A lipid represented by the forumla:

$$z$$
 $\bigcap_{n}L$ \bigcap_{0} $\bigcap_{R^{2}}R^{1}$

D. (4

wherein each of R^1 and R^2 is an alkyl or alkenyl chain having between about 8 to about 24 carbon atoms; $n = \underline{40}$ -20; L is selected from the group consisting of (i) -X-(C=O)-Y- CH_2 -, (ii) -X-(C=O)-, and (iii) -X- CH_2 -, wherein X and Y are independently selected from oxygen, NH, and a direct bond; and Z is a weakly basic moiety that has a pK of less than about 7.4 and greater than about 4.0. is described.